



**Functional Requirements Document**  
(Guide S50 Version 1.0) *for*

**<NeighborNet >**  
**<Version 1.0>**

*Prepared for*

**CSIT 342 – System Integration and Achitecture**

*Submitted to*

**Frederick L. Revilleza Jr.**



**<28/08/2024>**

***Prepared by:***

***Vaness Leonard Capuras***

***Kyla Dominic Genodiala***

***Jes Emanuel Chavez***

## NeighborNet System Requirements

- Functional Requirements

Category	Requirement	Justification
Offering a Skill	The system shall allow users to list a skill they are willing to teach, including session details and availability.	This supports the learning exchange aspect of the platform.
Borrowing a Resource	The system shall allow users to request to borrow an item and notify the lender for approval	This ensures users can efficiently request and manage borrowed items.
Listing a Resource	The system shall allow users to list an item they want to lend, including a description, condition, and availability period.	This defines a core function of the platform that enables resource sharing.
Rating & Review System	The system shall allow users to leave ratings and reviews for borrowed items and skills learned.	This builds trust and helps maintain service quality in the community.
User Verification	The system shall verify users through email or phone number before they can list or borrow items.	This ensures security and prevents fraudulent activities.

- Non-Functional Requirements

Category	Requirement	Justification
Performance	The system shall process borrowing and lending requests within 2 seconds.	Ensures a seamless user experience without delays.
Security	The system shall encrypt user data, including personal details and messages.	Protects users' sensitive information from unauthorized access.
Usability	The system shall provide a mobile-friendly interface that adapts to different screen sizes.	Enhances accessibility for users on various devices.
Scalability	The system shall support at least 10,000 concurrent users.	Ensures the platform can grow without performance issues.
Availability	The system shall have 99.9% uptime to ensure continuous access.	Guarantees users can access NeighborNet at any time without frequent downtime.